DATE 04/25/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024429

APPLICANT BO ROYALS PHONE 754-6737

ADDRESS 4068 US HWY 90 WEST LAKE CITY FL 32055

OWNER LARRY OSTENDORF PHONE 752-3031

ADDRESS 260 SW BARRS GLEN LAKE CITY FL 32024

CONTRACTOR DALE HOUSTON PHONE 752-7814

LOCATION OF PROPERTY 247 S, L NORRIS RD, L BARRS GLEN, 2ND PROPERTY ON RIGHT

TYPE DEVELOPMENT MH,UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT ____ STORIES ____

FOUNDATION _____ WALLS _____ ROOF PITCH _____ FLOOR _____

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 06-5S-16-03480-007 SUBDIVISION _____

LOT ____ BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 5.05

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		136	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	06-0366-N	BK	JH	N

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, REPLACING EXISTING MH

Check # or Cash 24640

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 0.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

MISC. FEES $ 200.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 275.00

INSPECTORS OFFICE _____ CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

CK# 24640

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only Zoning Official BLK 240406 Building Official ORTH 4-20-06

AP# 0604-55 Date Received 4/20/06 By LT Permit # 24429

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Replacing Existing MH

FEMA Map # _____ Elevation _____ Finished Floor _____ River _____ In Floodway _____

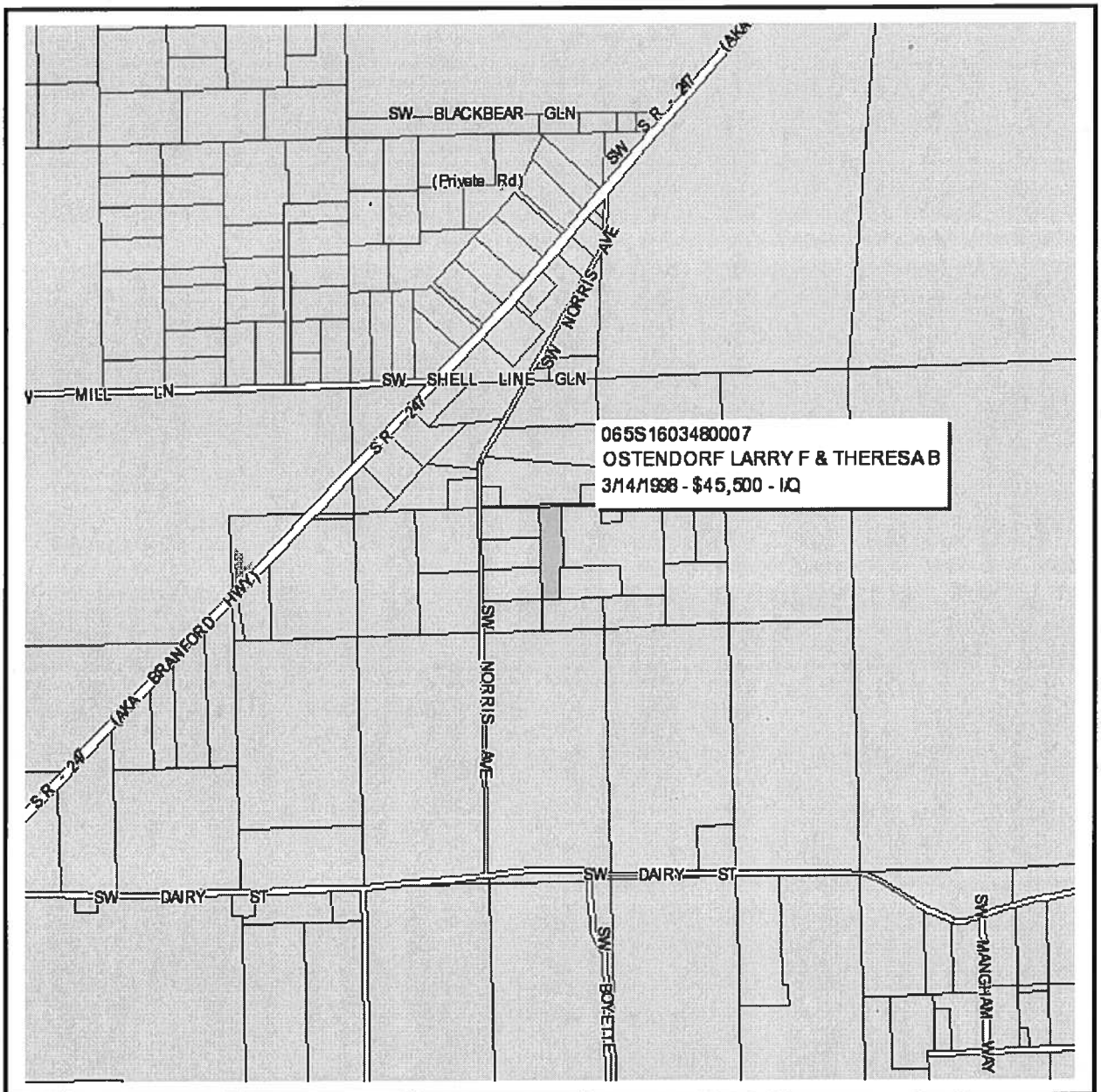
☑ Site Plan with Setbacks shown ☑ Environmental Health Signed Site Plan ☐ Env. Health Release

☐ Well letter provided ☑ Existing Well Revised 9-23-04

Existing

- Property ID 04-5S-16-03480-007 Must have a copy of the property deed
- New Mobile Home ✓ Used Mobile Home _____ Year 2006
- Subdivision Information _____
- Applicant William E. Royals Phone # 754-6737
- Address 4068 U.S. Hwy 90 West Lake City, FL. 32055
- Name of Property Owner Loray Ostendorf Phone# 752-3031
- 911 Address 260 S.W. Barrs Gln., Lake City, FL. 32024
- Circle the correct power company – FL Power & Light – (Clay Electric)
  (Circle One) – Suwannee Valley Electric – Progressive Energy
- Name of Owner of Mobile Home Same as above Phone # _____
- Address _____
- Relationship to Property Owner _____
- Current Number of Dwellings on Property (1) Replacement
- Lot Size _____ Total Acreage 5.05
- Do you : Have an (Existing Drive) or need a Culvert Permit or a Culvert Waiver Permit
- Driving Directions Hwy 2508 to Branford Hwy (247) turn Rt. go approx. 7 miles to norris rd. on left follow 1/2 mile turn left on Barrs Gln. 2nd property on Rt.
- Is this Mobile Home Replacing an Existing Mobile Home YES (pd) $275.00
- Name of Licensed Dealer/Installer Dale Houston Phone # 752-7814
- Installers Address 136 SW Barrs Gln. Lake City FL. 32024
- License Number IH0000040 Installation Decal # 269201

0366 N



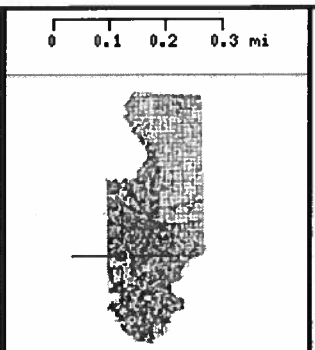
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

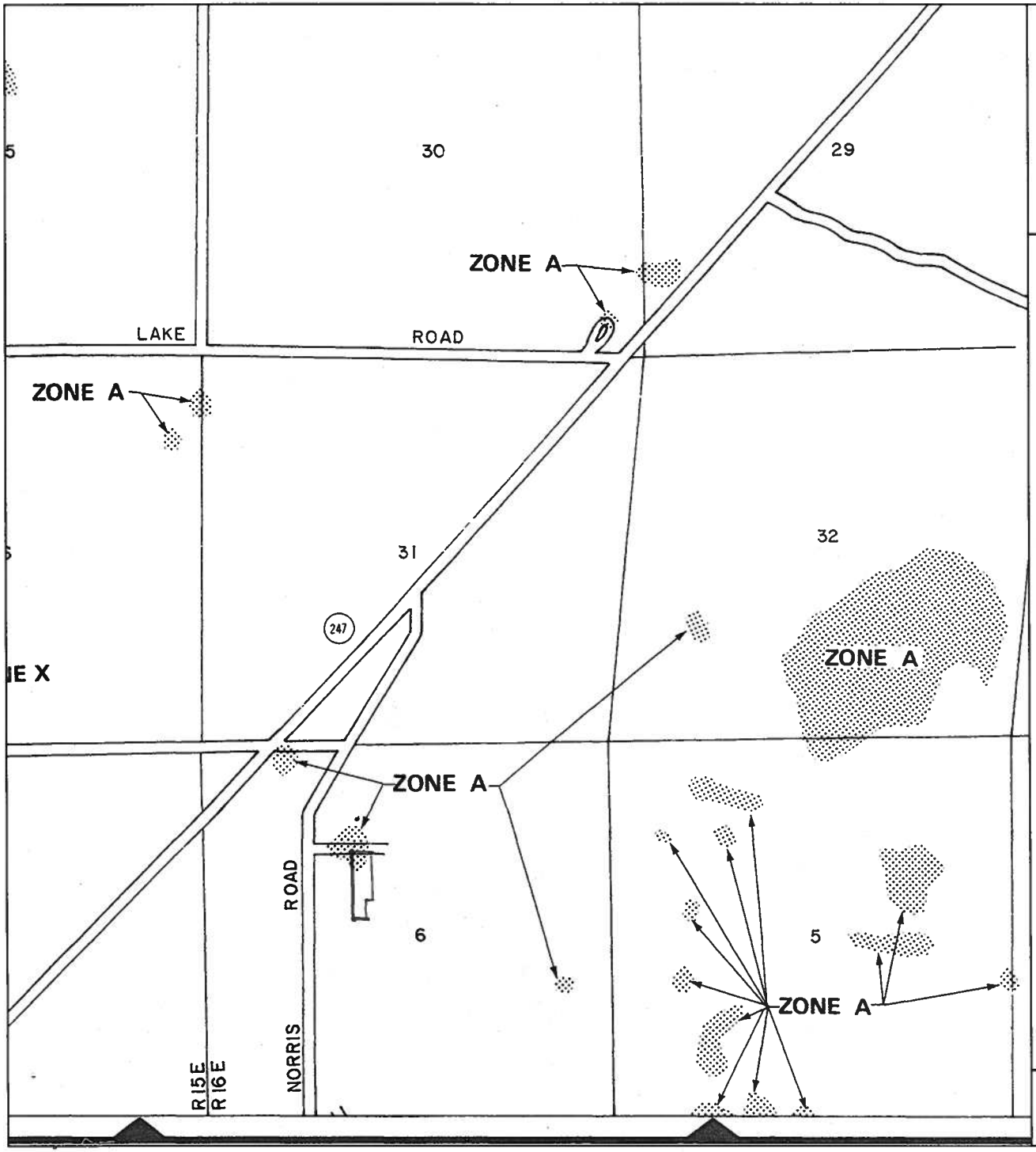
PARCEL: 06-5S-16-03480-007 HX - MOBILE HOM (000200)

THE W 232 FT OF NE1/4 OF SE1/4 OF NW1/4 & ALSO THE W 195.98 FT OF N1/2 OF SE1/4 OF SE1/4

Name:	OSTENDORF LARRY F & THERESA B			LandVal	$36,919.00
Site:	BARRS			BldgVal	$14,375.00
Mail:	260 SW BARRS GLN LAKE CITY, FL 32024			ApprVal	$54,715.00
				JustVal	$54,715.00
Sales Info	3/14/1998	$45,500.00	I / Q	Assd	$39,365.00
	3/13/1998	$19,500.00	I / U	Exmpt	$25,000.00
	2/16/1998	$13,500.00	I / U	Taxable	$14,365.00



This information, GIS Map Updated: 4/6/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

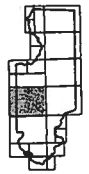
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Futher information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mit/tsd.

Print Date: 4/20/2006 (printed at scale and type A)

06-5S-16-03480-007

THE W 232 FT OF NE1/4 OF SE1/4 OF NW1/4 & ALSO THE W 195.98 FT OF N1/2 OF SE1/4 OF SE1/4 OF NW1/4. ORB 543-690,

OSTENDORF LARRY F & THERESA B 06-5S-16-03480-007
260 SW BARRS GLN
LAKE CITY FL 32024

Columbia Cou
PRINTED 4/06/2006 8:27
APPR 6/13/2002 DF

USE	000800	MOBILE HME		AE? Y	1500	HTD AREA	75.800	INDEX	6516.00	NBHD	PROP USE 000
MOD	2	MOBILE HME	BATH	2.00	1552	EFF AREA	19.708	E-RATE	100.000	INDX	STR 6- 5S- 16
EXW	02	WALL BOARD	FIXT		30587	RCN			1985	AYB	MKT AREA 02
%		N/A	BDRM	3	47.00	%GOOD	14,375	B BLDG VAL	1985	EYB	(PUD1
RSTR	03	GABLE/HIP	RMS								AC 5.050
RCVR	01	MINIMUM	UNTS								NTCD
%		N/A	C-W%								APPR CD
INT	02	WALL BD/WD	HGHT								CNDO
%		N/A	PMTR								SUBD
FLR	14	CARPET	STYS	1.0							BLK
30%	06	VINYL ASB	ECON								LOT
HTTP	04	AIR DUCTED	FUNC								MAP#
A/C	03	CENTRAL	SPCD								HX
QUAL	03	AVERAGE	DEPR	09							TXDT 003
FNDN		N/A	UD-1	N/A							
SIZE		N/A	UD-2	N/A							
CEIL		N/A	UD-3	N/A							
ARCH		N/A	UD-4	N/A							
FRME	01	NONE	UD-5	N/A							
KTCH		N/A	UD-6	N/A							
WNDO		N/A	UD-7	N/A							
CLAS		N/A	UD-8	N/A							
OCC		N/A	UD-9	N/A							
COND		N/A	%	N/A							

FIELD CK:
LOC: 260 BARRS GLN SW

```
          +---10-+
          I      I
          I      I
          2      2
          0      0
          I      I
          I      I
+------------36-----------+      +-6-+
IBAS1993                                I
I                                       I
I                                       I
2                                       2
5                                       5
I                                       I
I                                       I
I                                       I
+------19-----+------19----+---------+
              IUOP1993     I
              1            1
              1            1
              +------19----+
```

BAS1993=W6 N20 W10 S20 E11 S11 E19 N11 W19$ E33 N

SUB	A-AREA	%	E-AREA	SUB VALUE
BAS93	1500	100	1500	13893
UOP93	209	25	52	482
TOTAL	1709		1552	14375

PERMIT:

NUMBER	DESC

SALE

BOOK	PAGE	DATE
855	163	3/14/199

GRANTOR KAY M PRIEST & :
GRANTEE LARRY F & THERE:

BOOK	PAGE	DATE
855	161	3/13/199

GRANTOR THOMAS J PRIEST
GRANTEE KAY M PRIEST & :

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %
Y	1	0190	FPLC PF				1		1993	1.00	1.000	UT	1500.000	1500.000	1
Y		0040	BARN,POLE	24	36		1		0000	1.00	1.000	UT	1921.000	1921.000	1

FIELD CK:

AE	LAND CODE	DESC	ZONE	TOPO	ROAD	UTIL	UD1	UD2	UD3	UD4	FRONT	BACK	DEPTH	DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT P
Y	000200	MBL HM	A-1	0002	0002	0003									1.00 1.00 1.00 1.00	2.550	AC	8606.080	8606.
Y	009900	AC NON-AG	00	0002											1.00 1.00 1.00 1.00	1.500	AC	8606.080	8606.
Y	009530	POND	A-1	0002	0002	0003									1.00 1.00 1.00 1.00	1.000	AC	65.000	65.
Y	009945	WELL/SEPT	00												1.00 1.00 1.00 1.00	1.000	UT	2000.000	2000.

L001 - ADJ;4 EASEMENT (UT PRICE TREATED AS 4.05 AC)
SALE - FOR 5.05 AC & '85 CHADWICK MH
2006

SALE - 5.05 AC & '85 CHADWICK MH
SALE - 1985 CHADWICK MH INCLUDED (SALE TOO LOW)

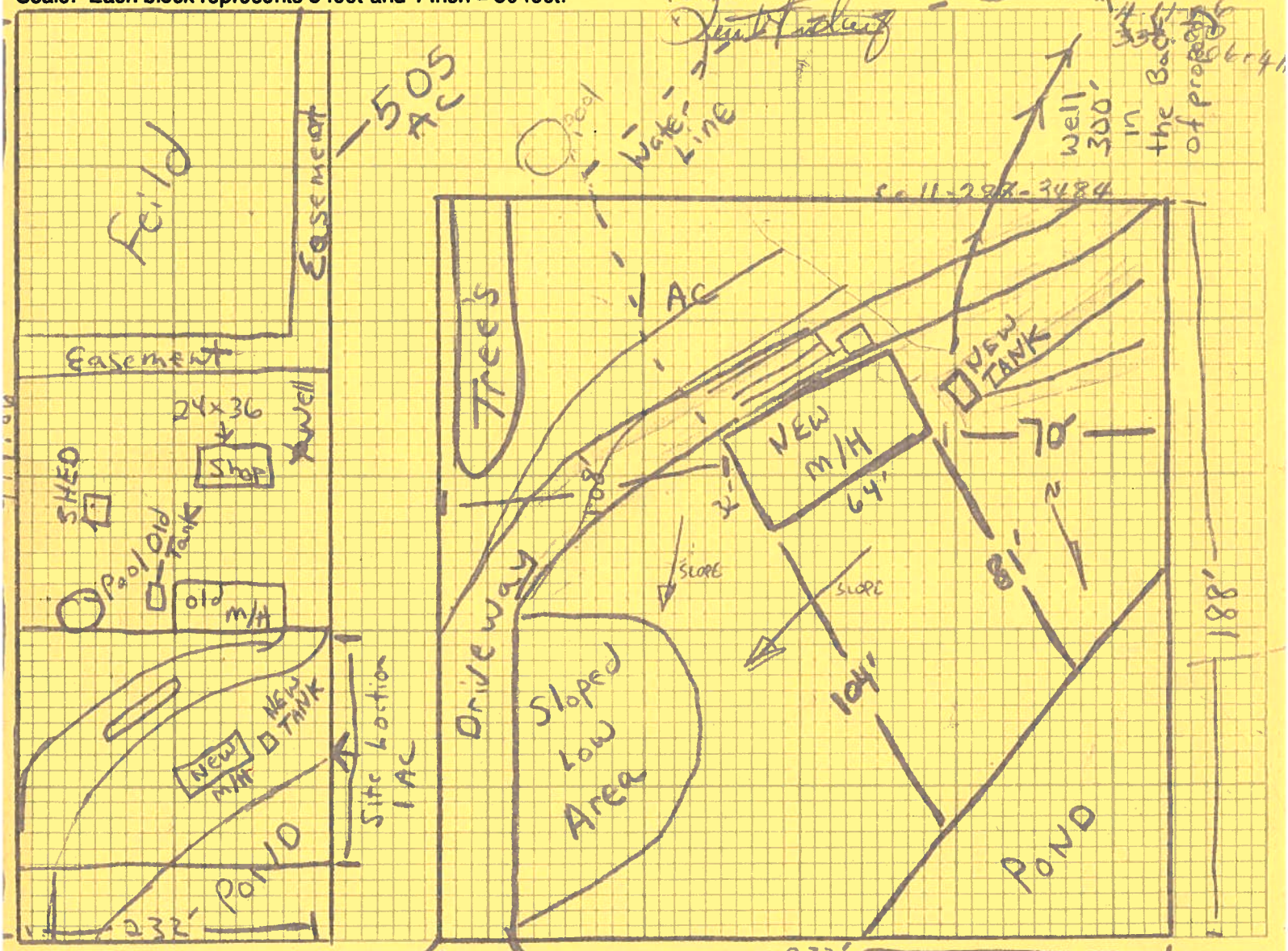
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0366N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: NEW m/H will be approx 272 feet off the Road and 70' feet to property line on one side and 108 feet on the other side. Approx 660 feet from back of property.

Site Plan submitted by: Larry Ostrander (Signature) owner (Title)

Plan Approved X Not Approved _____ Date 4/10/06

By Larry Ostrander RSM (County Health Department)

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

4/10/06 SR 4/10/06

MIT NUMBER _____

POCKET PENETROMETER TEST

e pocket penetrometer tests are rounded down to _____ psf
check here to declare 1000 lb. soil _____ without testing. Assume 1000

X___ X___ X___

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

X___ X___ X___

TORQUE PROBE TEST

he results of the torque probe test is _____ inch pounds or check ere if you are declaring 5' anchors without testing _____. A test howing 275 inch pounds or less will require 4 foot anchors.

lote: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb holding capacity.

DH Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

staller Name Dale Houston

te Tested 4/18/06

Electrical

nect electrical conductors between multi-wide units, but not to the main power ce. This includes the bonding wire between multi-wide units. Pg. 32

Plumbing

nect all sewer drains to an existing sewer tap or septic tank. Pg. 40

nect all potable water supply piping to an existing water meter, water tap, or other ependent water supply systems. Pg. 40

Site Preparation

Debris and organic material removed ✓
Water drainage: Natural ✓ Swale _____ Pad _____ Other _____

Fastening multi wide units

Floor:	Type Fastener:	Lag	Length: _____	Spacing:	MAX 24"
Walls:	Type Fastener:	Staple	Length: _____	Spacing:	12"
Roof:	Type Fastener:	Lag	Length: _____	Spacing:	MAX 24"

For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, mildew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials DH

Type gasket foam
Pg. 31

Installed:
Between Floors Yes ✓
Between Walls Yes ✓
Bottom of ridgebeam Yes ✓

Weatherproofing

The bottomboard will be repaired and/or taped. Yes ✓ Pg. 13
Siding on units is installed to manufacturer's specifications. Yes ✓
Fireplace chimney installed so as not to allow intrusion of rain water. Yes ___

Miscellaneous

Skirting to be installed. Yes ✓ No _____
Dryer vent installed outside of skirting. Yes _____ N/A ✓
Range downflow vent installed outside of skirting. Yes _____ N/A _____
Drain lines supported at 4 foot intervals. Yes ✓
Electrical crossovers protected. Yes ✓
Other: _____

Installer verifies all information given with this permit worksheet is accurate and true based on the manufacturer's installation instructions and or Rule 15C-1 & 2

Installer Signature Dale Houston Date 4/18/06

PERMIT WORKSHEET 2

PERMIT NUMBER

INSTALLER: Dale Houston License # IH0000040

Address of home being installed

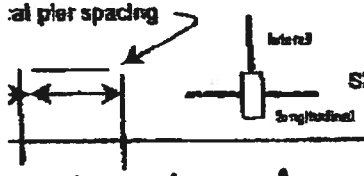
Manufacturer Horton Length x width 64X32

NOTE: *If home is a single wide fill out one half of the blocking plan*
If home is a triple or quad wide sketch in remainder of home

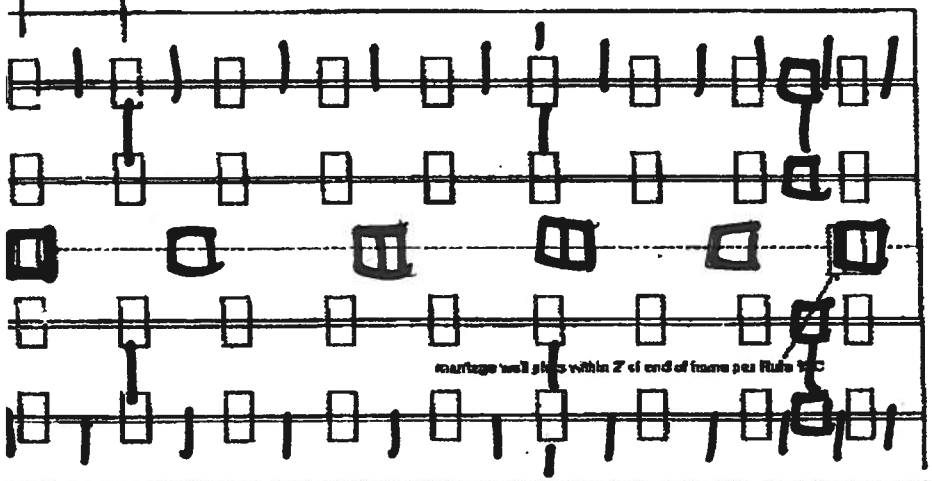
I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's Initials DH

Typical pier spacing



Show locations of Longitudinal and Lateral Systems (use dark lines to show these locations)



B2X60. 1000 psf 23X31
Pier - 10per side - 6'00c
Anchor 12per side 5'40c
w- Longitudinal System

New Home ☒ Used Home ☐

Home installed to the Manufacturer's Installation Manual ☒

Home is installed in accordance with Rule 15-C ☐

Single wide ☐ Wind Zone II ☒ Wind Zone III ☐

Double wide ☒ Installation Decal # 269201

Triple/Quad ☐ Serial # _____

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*	25" x 25" (676)
1000 psf		3'	4'	5'	6'	7'	8'
1500 psf		4'6"	6'	7'	8'	8'	8'
2000 psf		6'	8'	8'	8'	8'	8'
2500 psf		7'6"	8'	8'	8'	8'	8'
3000 psf		8'	8'	8'	8'	8'	8'
3500 psf		8'	8'	8'	8'	8'	8'

* Interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

I-beam pier pad size 23X31

Perimeter pier pad size 16X16

Other pier pad sizes (required by the mfg.) _____

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening	Pier pad size

Sled Agrin

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer _____

X *Longitudinal Stabilizing Device w/ Lateral Arms*
Manufacturer _____

Oliver Technologies

POPULAR PAD SIZES

Pad Size	Sq In
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
28 x 28	676

ANCHORS

4 ft _____ 5 ft _____

FRAME TIES

within 2' of end of home spaced at 5' 4" oc _____

OTHER TIES

	Number
Sidewall	
Longitudinal	6
Marriage wall	
Shearwall	4

Royals Homes ROYALS MOBILE HOME SALES
386/754-6737 FAX 386/758-7764

PROPERTY LOCATOR

Customer Larry or Theresa Ostendorf cell # 288-3484 Telephone (386) 752-3031

Make Horton Model HS06 Serial# _____

DOP _____ Size 32X64

Physical Address 260 SW. Barrs Gln. Lakecity FL. 32024

Mailing Address _____

Hwy 252 B to Branford Hwy turn Right go aprox 8 miles to Norris Rd. on left follow 1/2 mile on left to Barrs Gln. 2nd property on Right.

1.) Exterior Vinyl _____
2.) Shutters _____
3.) Carpet _____
4.) Floor Vinyl _____
5.) Shingles _____
6.) Wall Board _____

Don't get lost trying to find this one (Here's a map)

Theirs ← X

your house ← X

All Horton Homes designed for Wind Zone 1 are anchored to the ground to resist wind forces with frame ties only. Horton Homes designed for Wind Zones 2 and 3 use both vertical and diagonal frame ties. Over-the-roof down straps may be used in conjunction with the frame ties if preferred for Zone 1. All shearwall vertical tiedown locations along the sidewall and marriage wall are identified by the manufacturer at the factory.

Zone 2 Wind Zone houses set up in Zone 1 Wind Zone areas need only comply with Zone 1 anchoring requirements.

Park straps or vertical ties may have been installed on this house. If so, it should be noted that park straps are provided to supplement and not replace the engineered anchoring system. Under no circumstances should the diagonal anchoring straps be replaced by vertical park straps.

The following procedure may be used for installing the anchor system.

1. Thread straps through the buckle and around the I-beam at the proper locations (See Illustration A or use locking frame clip as shown in Illustration B). See page 66 for singlewide locations and page 69 for doublewide locations (Wind Zones 2 & 3, page 79 for singlewide and page 82 for doublewide).

2. Install ground anchors per the manufacturer's instructions. Each anchor must be positioned so the final strap angle will be within the limits.

3. Attach the straps to the ground anchor tensioning devise as per the anchor manufacturer's instructions. It is recommended that all straps be tightened only enough to remove the slack. Then after all straps are installed in this manner, retighten each strap.

4. The strap tension should be re-checked periodically until pier settlement has stopped. The house must not be leveled without first loosening the tiedown strap. After re-leveling, all straps must be re-tightened.

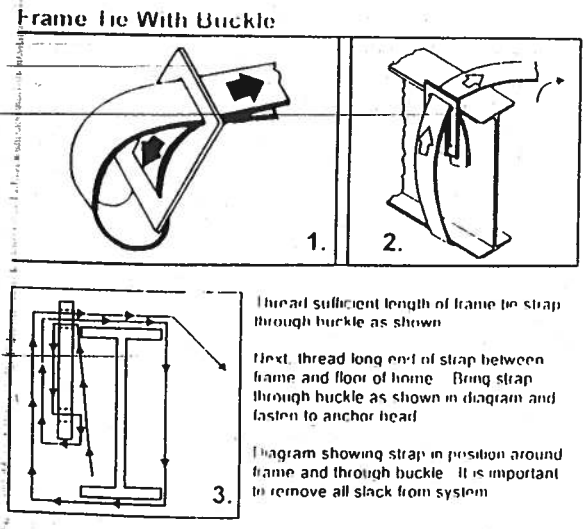


ILLUSTRATION A

NOTE: PROTECTION SHALL BE PROVIDED AT SHARP CORNERS OF I-BEAM AND BRACKETS WHERE STRAPS MAYBE DAMAGED.

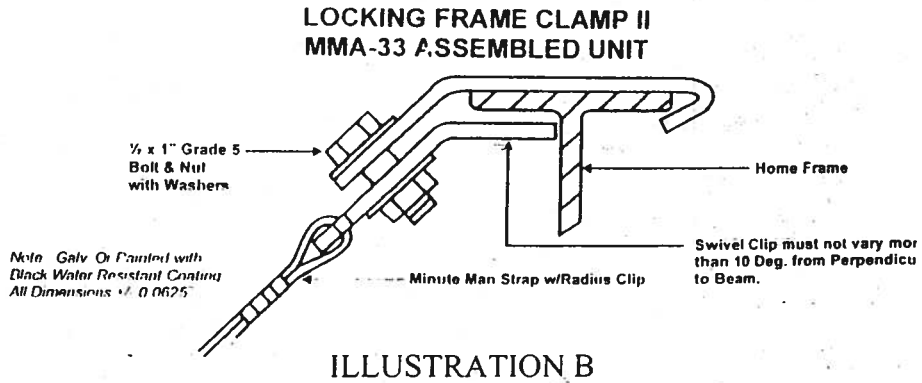


ILLUSTRATION B

SOIL BEARING TEST

To determine the safe bearing capacity of soil, it shall be tested at the site location by loading an area of less than four (4) square feet to not less than twice the maximum bearing capacity desired for use. Such double load shall be sustained by the soil for a period of not less than forty-eight (48) hours with no additional settlement taking place, in order that such desired bearing capacity may be used.

Foundations should be built upon natural solid ground. Where solid ground does not occur at the foundation depth, such foundation shall be extended down to natural solid ground or piles should be used. Foundations built upon mechanically compacted earth or fill material are subject to the approval of local building officials to show evidence that the proposed loads will be adequately supported.

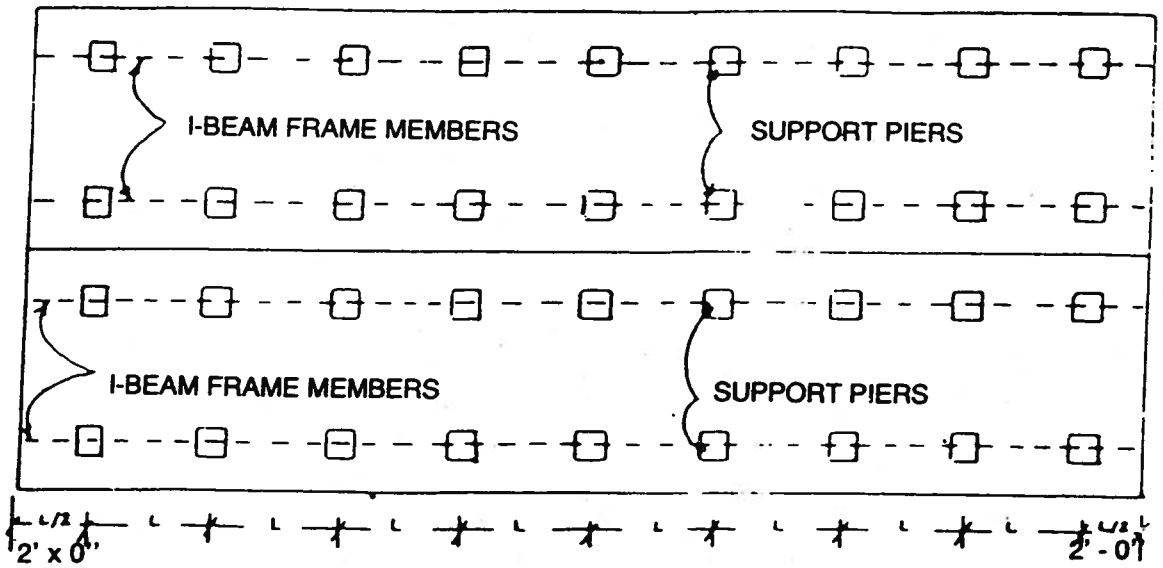
PIER LOADS

There are several factors that control the numbers of piers required to support a home. The four most important factors are:

(1) size of the home;
(2) weight carrying capacity of the pier material;
(3) soil bearing capacity; and
(4) spacing between the individual piers.

Refer to tables 2 through 4 to determine the minimum size and location of individual footings and table 1 to determine the minimum strength requirements for individual piers.

TABLE 1
MINIMUM PIER CAPACITY TABLE



Roof Live Load 20 psf	PIER LOAD	Piers at 4' On Center 12-wide (lbs.)	Piers at 4' On Center 14-wide (lbs.)	Piers at 6' On Center 12-wide (lbs.)	Piers at 6' On Center 14-wide (lbs.)	Piers at 8' On Center 12-wide (lbs.)	Piers at 8' On Center 14-wide (lbs.)
		2112	2464	3168	3696	4224	4928

TABLE 2

12 WIDE OR LESS FOOTING SCHEDULE

Pier Spacing (L)	Soil Bearing Capacity (PSF)	ROOF LIVE LOAD 20 PSF REQUIRED FOOTING AREA IN SQ. IN.
Piers spaced no more than 4'-0" on center not more than 2'-0" from either end	1000	305
	1500	205
	2000	155
	2500	125
	3000	105
Piers spaced no more than 6'-0" on center not more than 2'-0" from either end	1000	460
	1500	305
	2000	230
	2500	185
	3000	155
Piers spaced no more than 8'-0" on center not more than 2'-0" from either end	1000	610
	1500	410
	2000	305
	2500	245
	3000	205

TABLE 3

14 WIDE OR LESS FOOTING SCHEDULE

Pier Spacing (L)	Soil Bearing Capacity (PSF)	ROOF LIVE LOAD 20 PSF REQUIRED FOOTING AREA IN SQ. IN.
Piers spaced no more than 4'-0" on center not more than 2'-0" from either end	1000	355
	1500	240
	2000	180
	2500	145
	3000	120
Piers spaced no more than 6'-0" on center not more than 2'-0" from either end	1000	540
	1500	355
	2000	265
	2500	215
	3000	178
Piers spaced no more than 8'-0" on center not more than 2'-0" from either end	1000	710
	1500	475
	2000	355
	2500	285
	3000	240

NOTE:

1. Width refers to individual unit width and not total width of home.
2. If soil bearing capacity is not determined, use 1000 PSF as a minimum.
3. In the geographical areas subject to severe freezes, the bottom line of foundations must extend below the frost line established by local records.

TYPICAL FOOTER SIZES

* 16" X 16" - 256 Sq. Inches
16" X 24" - 384 Sq. Inches
24" X 24" - 576 Sq. Inches
24" X 30" - 720 Sq. Inches

* MINIMUM FOOTER TO BE USED

FOOTER SIZE REQUIREMENTS

Footer Size Equals $\frac{\text{Pier Load}}{\text{Soil Bearing Capacity}}$

Example: 14' Wide 8'-0" Center Piers
$\frac{4928}{1000}$ (from table 1)
1000 (soil bearing capacity)

$\frac{4928}{1000}$ Equals 4.9 Sq. Ft. Minimum Footer

PIER LOAD CAPACITY FOR SIDE WALLS

100 X Span in Ft. divided by Soil Capacity

Example:
100 X 6'-0" equals $\frac{600}{1000}$ equals .6 sq. ft. min.

Minimum Size Footer 8 X16
or 128 sq. inches for Sidewalls

MARRIAGE WALL PIER LOAD CAPACITY

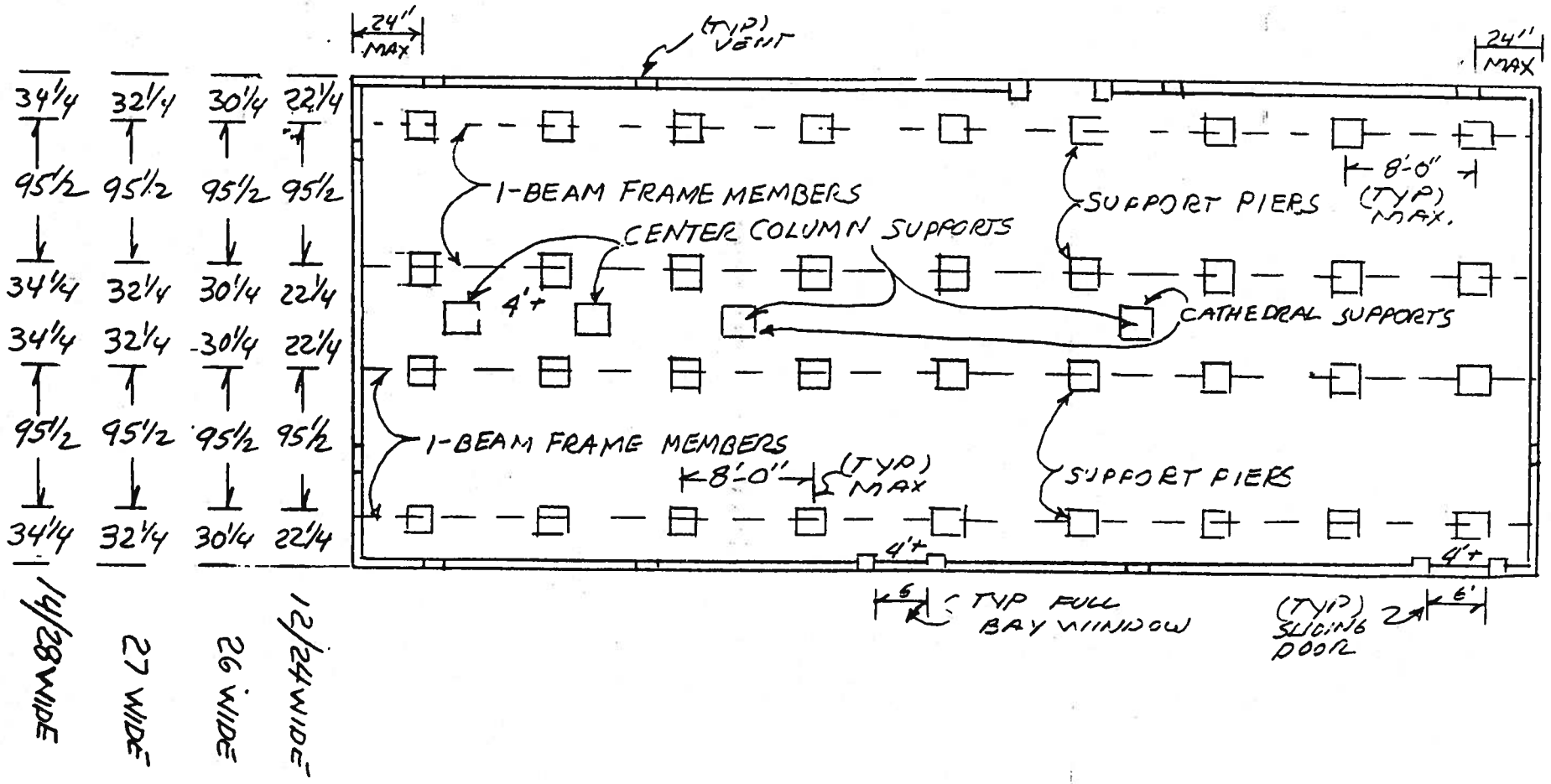
100 X Span in Ft. X 2 equals Pier Load Divided by Soil Capacity

Example:
100 X 20'-0" X 2 Equals $\frac{4000}{1000}$ lbs. equals 4 sq. ft. Minimum Footer

NOTE:
1. Multi openings for sidewall or marriage wall, add openings together.
2. Treat each marriage wall in each half of double wide separately. Provide piers at all openings greater than 4'-0" wide.
3. Combine pier loads at locations where each half of the home has a ridge beam column support.

RTON HOMES
95-1/2" I BEAM SPREAD
TYPICAL PIER PLACEMENT

TABLE 4A



PIER LOADS

16' WIDE WITHOUT OVERHANG
(188" FLOOR W/O OVERHANG)

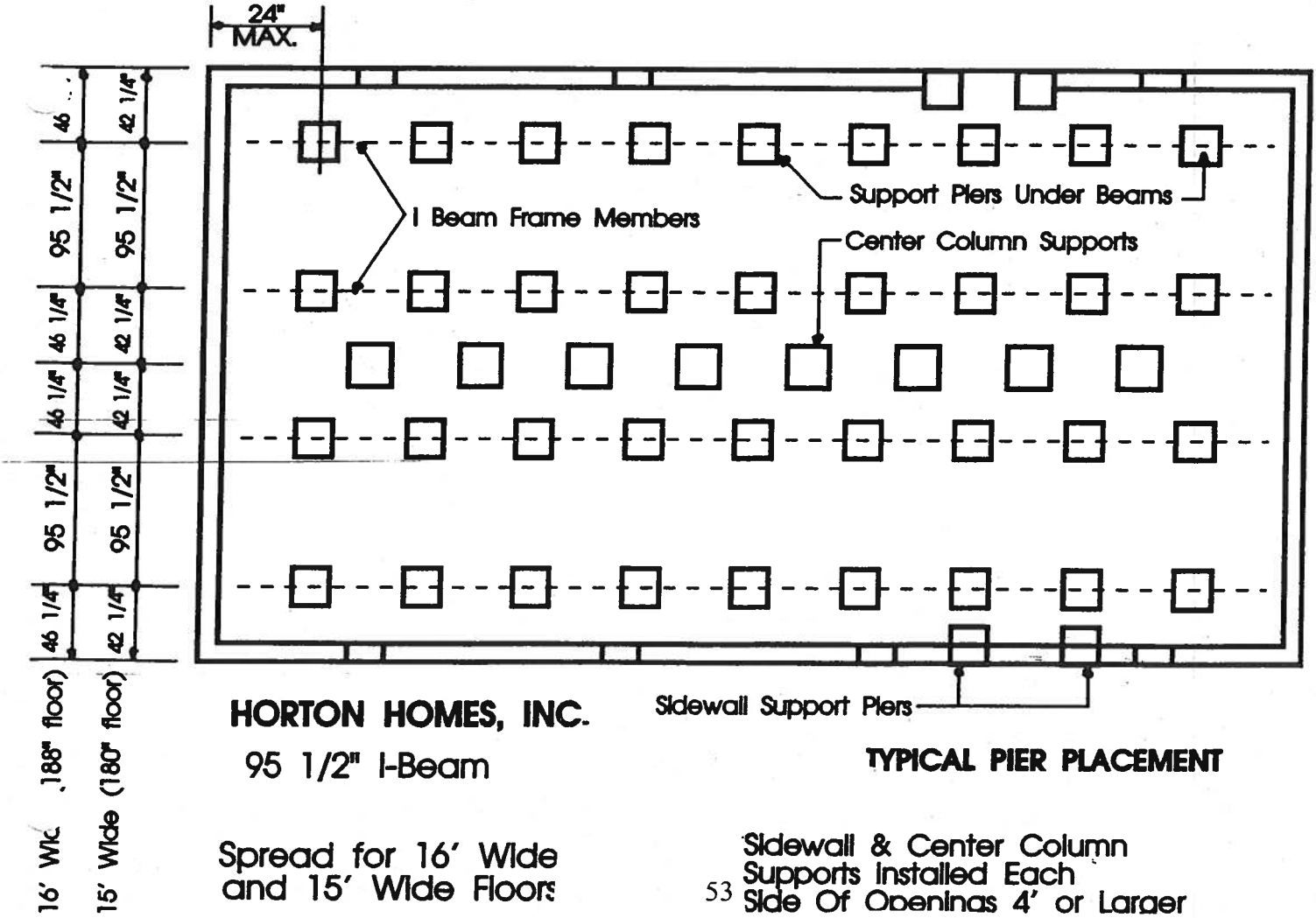
MAX. PIER SPACING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
		1000	1500	2000	2500	3000 PSF
4'-0"	2414	435	280	208	163	135
6'-0"	3622	628	403	297	238	195
8'-0"	4829	822	528	389	308	255

15' WIDE WITH OVERHANG
SINGLE WIDE & D.W. (180" FLOOR W/ 12" OVERHANG)

MAX. PIER SPACING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
		1000	1500	2000	2500	3000 PSF
4'-0"	2430	437	281	208	164	136
6'-0"	3645	632	407	299	237	196
8'-0"	4860	825	531	392	310	257

SIDEWALL OPENINGS
FOOTING AREAS

MAX. OPENING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
		1000	1500	2000	2500	3000 PSF
4'-0"	962	201	128	95	76	63
6'-0"	1425	277	178	131	105	86
8'-0"	1904	353	228	188	133	110
10'-0"	2380	429	276	204	161	134
12'-0"	2835	505	325	239	190	157
14'-0"	3332	582	374	276	218	181
16'-0"	3808	658	423	321	247	204
18'-0"	4284	734	472	348	276	228
20'-0"	4760	810	521	384	304	252



HORTON HOMES, INC.

95 1/2" I-Beam

TYPICAL PIER PLACEMENT

Spread for 16' Wide and 15' Wide Floors

Sidewall & Center Column Supports Installed Each Side Of Openings 4' or Larger

MINIMUM BLOCKING STANDARDS

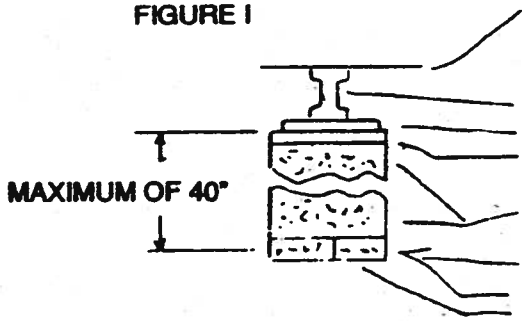
1. **Pier foundations shall be installed directly under the main frame (or chassis) of the manufactured home.** The piers shall not be further apart than eight (8) feet on centers and the maximum distance in from each end 2'-0".
2. **All grass and organic matter shall be removed and the pier foundation placed in stable soil.** The pier foundation shall be minimum of 24" x 30" x 4" (refer to soil bearing capacity for exact size), solid concrete pad, pre-cast or poured in place, or equivalent. (Min. based on 1000 psf - 8'-0" pier spacing).
3. Piers must be constructed of regular 8" x 8" x 16" concrete blocks, open cells, solid or equivalent (with open cells vertical) placed above the foundation. A 2" x 8" x 16" pressure treated wood plate, or equivalent, shall be placed on top of the pier with shims fitted and driven tight from both sides of the I-Beam. (See Figure 1.)
4. **All piers over forty (40) inches in height shall be double tiered with blocks interlocked and capped with a 4" x 16" x 16" solid concrete block or equivalent, and cushioned with wood shims or pressure treated plate. (See Figures II and III.)**
5. **All corner piers over three (3) blocks high shall be doubled tiered, with blocks interlocked and capped with a 4" x 16" x 16" solid concrete block or equivalent and cushioned with wood shims and pressure treated plate.**
6. EXTERIOR SIDEWALL/MARRIAGE WALL BLOCKING - **In addition to providing piers for supporting the frame, piers also are required to support the special roof loads.** These support piers are required at all marriage wall and sidewall openings greater than 4 ft. in width. These piers should be placed at each side of such openings. Typical sidewall openings - sliding glass door/full bay windows. Typical marriage wall openings - cathedral openings, passageway openings greater than 4'. In addition to these supports, it is optional that support piers may be installed around the perimeter of the house -8 ft. O.C. Max.

ADDENDUM TO MINIMUM BLOCKING STANDARDS

NOTE: In some situations forces and materials may interact in such a way as to result in some areas in a slight crowning of floor joists from the I-beam of the frame to the exterior wall. **When this situation does occur, it is required that the dealer exercise the option with respect to exterior sidewall blocking and install support piers around the perimeter of the house. 8 ft. O.C. Max.**

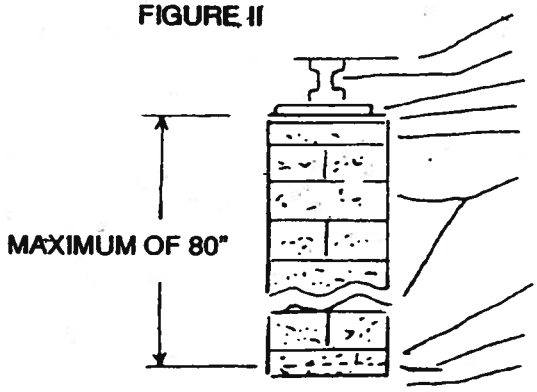
BLOCKING STANDARDS

FIGURE I



Blocking (single tiered), (All corners must be double tiered and blocks interlocked if more than three blocks high).
I-Beam frame
Wood shims
Cap-pressure treated 2" x 8" x 16" or equivalent
Solid or celled concrete blocks Footer - Size refer to Table
Ground level
Sod or organic material removed

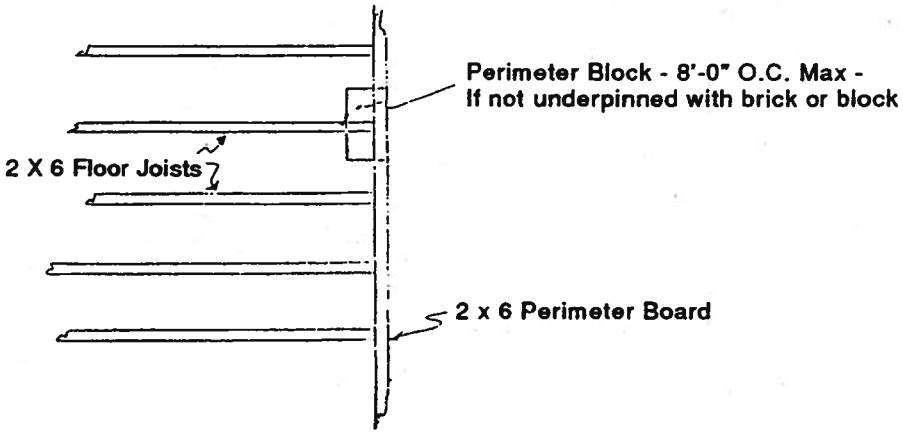
FIGURE II



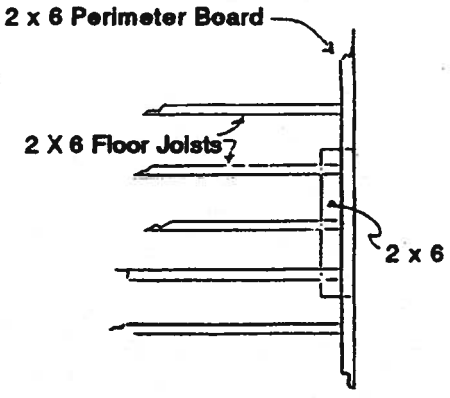
Blocking (double tiered & blocks interlocked)
I-Beam frame
Wood Shims
(Option) pressure treated wood plate
Cap - 16" x 16" x 4" solid block or equivalent
Solid or celled concrete block

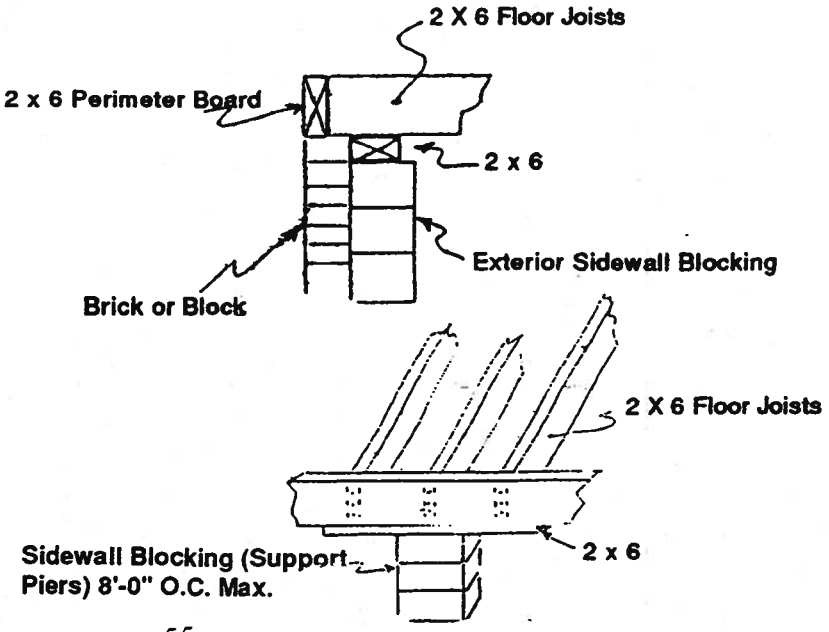
Footer Size refer to table 1 or 2
Ground level
Sod and organic material removed

EXTERIOR SIDEWALL BLOCKING WITH NO UNDERPINNING



EXTERIOR SIDEWALL BLOCKING WITH BRICK/BLOCK UNDERPINNING





ANCHORING SYSTEM

All Horton Homes **must** be securely anchored according to wind zone location to resist the uplifting and sliding forces created by strong winds. Horton Homes are built to comply with HUD'S Manufactured Home Construction and Safety Standards which establish design requirements for each wind zone area. A wind zone map reflecting the three wind zone areas and the wind zone designation of your home can be found on a Certificate of Compliance sheet posted inside a kitchen cabinet, furnace compartment or some other convenient location. All Horton Homes must be anchored in accordance to the appropriate anchoring instruction found under the applicable wind zone section in this manual. Other methods of anchoring of your home maybe used if designed by a professional engineer for the applicable wind zones.

Note: Wind Zone 2 or 3 houses set up in wind zone 1 area need only comply with wind zone 1 anchoring requirements.

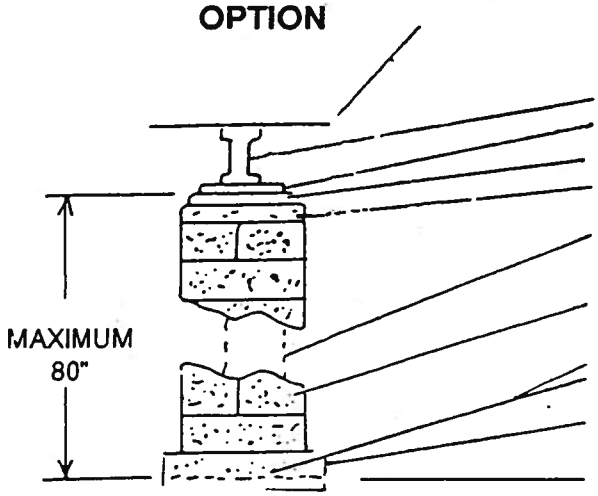
The tiedown straps and ground anchors are not provided by the manufacturer, as differing soil conditions require different anchoring system. Several good systems are available through your dealer or installation contractor.

STRAP TO FRAME ATTACHMENT

The strap to frame attachment details are shown in Illustration A or B. The required frame tiedown spacing is shown on charts and drawings. The strap to anchor connection and the anchor installation method must be in accordance with the anchor manufacturer's installation instructions.

It is essential that all components of the tiedown system meet the minimum strength requirements specified in this manual for the applicable wind zones.

FIGURE III
OPTION

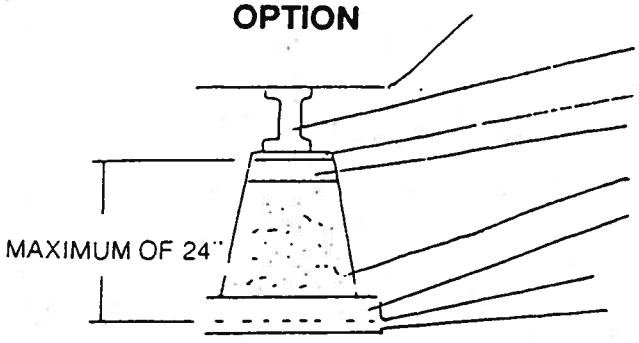


Blocking (double tiered - blocks interlocked concrete filled)
I-Beam frame
Wood shims
(Option) pressure treated wood plate
Cap - 16" x 16" x 4" solid block or equivalent
3/8" Steel reinforced rods
Celled concrete blocks
All cells filled with 2500 P.S.I. concrete

Footer Size refer to table 1 or 2
Ground level
Sod and organic material removed

All pier foundations 2500 P.S.I. concrete with No. 5 reinforced rods (4 pcs - 16")

FIGURE IV
OPTION



Blocking (solid pier)
I-Beam frame
Wood shims
(Option) Pressure treated wood plate
8" x 10" (minimum) pier top
Pier
Footer Size refer to table 1 or 2

Ground level
Sod and organic material removed

CERTIFICATE OF

M/H OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 06-5S-16-03480-007 **Building permit No.** 000024429

Permit Holder DALE HOUSTON

Owner of Building LARRY OSTENDORF

Location: 260 SW BARRS GLEN, LAKE CITY, FL

Date: 05/16/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)